

## Receiving Report

Date: 07/08/10

Batch No: M112397

Supplier: Magna

Dart P/O: 10155

Packing Slip: Yes ☒ No ☐  
 Invoice: Yes ☐ No ☒  
 Receipt: Cash ☐ Cr ☐

Release Note Attached: Yes ☒ No ☐ N/A ☐  
 Waybill Attached: Yes ☐ No ☒ N/A ☐  
 Shipment Complete: Yes ☒ No ☐ N/A ☐  
 QC6 Inspection S N/A ☐  
 Work Order 09/08/14 N/A ☐

### Discrepancies

Part Number	Description	Quantity Ordered	Quantity Received	Quantity Returned	Quantity Short	Comments

Initials of receiver (if shipment OK) Level 12 CL

Production/Admin: 09/08/14  
 Date RCV 10/55  
 Received/Costing CL  
 Initial CL

Location \_\_\_\_\_

# MAGNA

INOXYDABLE

**Magna Stainless**  
5775 Kieran St, Saint-Laurent QC H4S 0A3  
Phone: (514) 339-1211 Watts: 1-800-363-6646 Fax: (514) 339-1105

## INVOICE

Pg 1 of 1 I015155

RECEIVED

AUG 18 2009

SOLD TO:

DART AEROSPACE LTD  
1270 ABERDEEN STREET  
HAWKESBURY , ON  
K6A 1K7

SHIP TO:

DART AEROSPACE LTD  
1270 ABERDEEN STREET  
HAWKESBURY , ON  
K6A 1K7

MTR:Y

INVOICE DATE:	08/10/09
ORDER DATE:	07/31/09
SHIP DATE:	08/10/09
ORDER NUMBER:	W016431
PURCHASE ORDER:	PO10155

Currency	Sales Person	Ship Via	F.O.B.	Terms
CANADIAN DOLLARS	ERYCK BLAIS	NIR:R-557065-1	PREPAID	NET 30 DAYS

Ln	Back Ordered	Ordered	Unit	Description	Shipped	Price Per	Value
		2	PC	AIRCRAFT - LB 4140 1 1/2" SQ X 145" AMS 6382 L030192 2 PC/183 LB	2 UN	550.00	1,100.00

08/11/09 14:14:29

Merchandise:	1,100.00
Surcharges:	
No Tax Costs:	
GST	55.00
Total Due:	1,155.00

Title to the goods sent out on this invoice remains with Magna Stainless Div of CSM ULC until such time as this invoice has been paid in full. Unless otherwise noted terms are 30 days. Interest accrues on all overdue accounts at the rate of 1.5% per month compounded monthly.

Q.S.T. # 1213236471  
G.S.T. # 881565899 RT0001

## Purchase Order Receipt Listing

Page 1 of 1

August 17, 2009 7:05:17 AM

All amounts are calculated in domestic currency.

All Vendors PO ID PO10155 All Receipt Dates All Line Item Types

All Item ID/GL/WOs	All Rec. Employees	All Currencies
--------------------	--------------------	----------------

Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
VendorID\Vendor Name		VC-MAG002	Magna Stainless								
PO10155	I		M4140N-B1.500X1.5000	f	8/07/09	8/14/09	24.0166	\$45.83	0.0000	0	\$1,100.75
CAD	No		4140 Steel Bar 1.50 x f 1.50		24.0000	LAVO01		\$1,100.75	0.0000	0	
								Total Received Quantity:	24.0166		
								Total Qty to Inspect (PO U/M):	0.0000		
								Total Reject Quantity:	0.0000		
								Total Receipt Value:	\$1,100.75		
								Total Balance Due Quantity:	0.0000		



# Magna Stainless

5775 Kieran St. Saint-Laurent, Quebec H4S 0A3  
Phone: (514) 339-1211 Watts: 1-800-363-6646 Fax: (514) 339-1105

## PACKING LIST

I015155

Page: 1 of 1

SOLD TO:  
DART AEROSPACE LTD  
1270 ABERDEEN STREET

SHIP TO:  
DART AEROSPACE LTD  
1270 ABERDEEN STREET

HAWKESBURY, ON  
K6A 1K7  
Contact: LINDA

HAWKESBURY, ON  
K6A 1K7  
Ship Terms: PREPAID



MTR:Y

SPECIAL INSTRUCTIONS

Currency	Sales Person	Customer Phone	Customer Fax	Customer PO	
CANADIAN DOLLARS	ERYCK BLAIS	(613) 632-5200	(613) 632-1053	PO10155	
Sales Order	Terms	Ship Via	Date Ordered	Date Required	Date Shipped
W016431	NET 30 DAYS	NIR:R-557065-1	07/31/09	08/10/09	08/10/09

Ordered	Back Ordered	Unit	Description	Bundle #	Heat #	Shipped
2		PC	AIRCRAFT - LB 4140 1 1/2" SQ X 145" AMS 6382 183 LB / 2 PC <del>**DO NOT SHIP SEE CREDIT BEFORE SHIPPING.**</del> <del>**RETOURNEZ AU CREDIT AVANT L'EXPEDITION**</del> C 209102110 OK K	L030192	F1782	2
Bundles: 1				Total Weight:		183 LB

Received by: \_\_\_\_\_ Date: \_\_\_\_\_ Signature: \_\_\_\_\_



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID PO10155

Purchase Order Date 7/31/09

PO Print Date 7/31/09

Page Number 1 of 1

Order From :

VC-MAG002

MAGNA STAINLESS  
5775 RUE KIERAN  
ST LAURENT, QC H4S 0A3  
CA

Contact Name

Vendor Phone 800 363 6646

Vendor Fax 514 339 1105

Vendor Account Nbr

Buyer

Linda Lacelle

Requisition Nbr

Tax Resale Nbr 10127-2607

Terms

Net 30

Currency

CAD

FOB

Ship To :

DART AEROSPACE LTD

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	M4140N-B1.500X1.5000	4140 Steel Bar 1.50 x 1.50	8/07/09 Yes	24.00 f	Yours ppd	\$45.8330	\$1,099.99

24.2" 6209108110

Special Inst: AISI 4140N STEEL BAR  
PER MIL-S-5626, AMS6382, AMS6349,  
AMS6529

PO Total:

\$1,099.99

MATERIAL CERTIFICATION  
REQ'D UPON DELIVERY

Change Nbr: 1

Change Date: 7/31/09

No substitution or deviation without  
consent.  
Certificate of Conformity or Material  
Certification required when applicable



1 1/2 SQ  
220 Seventh Avenue  
Beaver Falls, PA. 15010  
Phone: (724) 506-1500  
Watts: (800) 777-1553

sales@keystoneprofiles.com  
www.keystoneprofiles.com

05/01/2009

F1782

Page 1 of 2

Sold To:

Ship To:

8 09/08/14

Heat #	F1782
W.O	WO-04493
Grade	4140
P.O.	45442-01 CO-02644
Reduction	
Part #	4140 AQ CD SQ 1.500 11/13 FT RL
Part Desc.	STOCK ID #51530

Certified Chemistry Analysis

C	Mn	P	S	Si	Cr	Ni	Mo	Pb	W	Co	N
.42	.98	.010	.022	.33	.98	.12	.15				
Cb	V	Ta	Ti	Al	Se	Sn	B	Cu			
				.030				.24			
O											

Hardenability Results - Jominy Distribution (RC)

J1	J2	J3	J4	J5	J6	J7	J8	J9	J10	J11	J12	J13	J14	J15	J16	J18	J20	J22	J24	J26	J28	J30	J32	J40	J42	D.I.
59	59	58	57	58	58	57	57	57	56		55		54		53	52	51		48		45		44	42		

Physical Testing Results (KSI)

Yield	Tensile	Elong %	ROA%	Charpy Impact Temp (F)	FULb	Macro Reports			Hardness Results				Decarb		Mag Particle		Grain Size	Final Grain
						S	R	C	BHN	RC	RB	FF	FF + Partial		Freq	SEV	FINE	Size
						1	1	2	207				.015		.000	.000		8

Microcleanliness Results

AT	AH	BT	BH	CT	CH	DT	DH	Casting practice BLOOM	Melt Source TIMKEN	Hot Roll Source GERDAU AMERISTEEL	Country of Origin USA
----	----	----	----	----	----	----	----	---------------------------	-----------------------	--------------------------------------	--------------------------



220 Seventh Avenue  
Beaver Falls, PA. 15010  
Phone: (724) 506-1500  
Watts: (800) 777-1553

sales@keystoneprofiles.com  
www.keystoneprofiles.com

05/01/2009

Page 2 of 2

Sold To:

Ship To:

*8/6/14*

Heat #	F1782
W.O	WO-04493
Grade	4140
P.O.	45442-01 CO-02644
Reduction	
Part #	4140 AQ CD SQ 1.500 11/13 FT RL
Part Desc.	STOCK ID #51530

MIL-S-5626, Rev C(1), 7/7/1972 Cancelled; AMS-6382, Rev M, 10/2001; AMS-2301, Rev J, 10/2001; AMS-2304, Rev A, 6/2001; (AMS-6349, Rev C, 10/2003- EXCEPT CONDITION); AMS-S-5626, Rev A, 12/1998 Cancelled; CONDITION C-4; ASTM-A331-95(2000) Withdrawn; DFARS 252.225.7014 & 225.7002-3 (B) (1) COMPLIANT

FRY STEEL CO. CERTIFIES THAT THIS IS  
A TRUE COPY OF THE ORIGINAL MILL TEST  
REPORT NOW ON FILE  
RECEIVED AND INSPECTED

MAY 08 2009

BY

*Chip Sandoval*

CHIP SANDOVAL - Q.C. MANAGER

ELECTRIC FURNACE - VACUUM DEGAS - AIRCRAFT - PARAPREMIUM

We certify the above materials have been inspected and tested in accordance with the methods prescribed in the governing specifications and consistent with our Standard Commercial Terms and conditions for Sale, Manufacture, and Shipping. Which are incorporated into and made part of this certification. The results of such inspections and tests conform with the applicable requirements. This certificate or report shall not be reproduced except in full, without the written approval of Keystone Profiles, Ltd.

The material was not exposed to mercury or any metal alloy that is liquid at ambient temperature during processing or while in our possession. No welding or weld repair was performed on this material. To the best of our Knowledge, there are no sources in the production or processing of steel products which could create a condition whereby that product would contain a detectable quantity of mercury, radium, or other alpha sources.

*V. Mauer*

Victor Mauer Quality Manager

# Steel Certificate of Test

1835 DUEBER AVE. S.W.  
CANTON, OHIO 44706

ID #0213890-1

Page 1 of 2

# TIMKEN

Where You Turn

10/29/2008

S Keystone Profiles, Ltd.  
O T 220 7TH AVE  
L O  
D BEAVER FALLS PA 15010 USA

S Gerdau Ameristeel  
H T 1 Industry Avenue  
I O  
P Joliet IL 60435 USA

Customer Order: 90-06136 Customer Part Number: 090013  
Timken Order: 28717-C (1531931) Heat Number(s): F1782

## Description of Material

HEIGHT: 5.500 in (139.700 mm) WIDTH: 5.500 in (139.700 mm)  
Shape: RCS  
Sales Type: 4140  
Int Quality: ELECTRIC FURNACE-VACUUM DEGAS-AIRCRAFT-PARAPREMIUM  
Condition: HOT ROLL

## Specification

- AMS 6382 Rev. M 10/1/2001 EXCEPT CONDITION - EXCEPT CONTINUOUS STENCIL
- AMS 6349 Rev. C 10/1/2003 EXCEPT CONDITION - EXCEPT CONTINUOUS STENCIL
- AMS 2301 Rev. J 10/1/2001
- AMS 2304 Rev. A 6/1/2001
- AMS S-5626 Rev. A 1/1/2002 CANCELLED - EXCEPT CONDITION
- MILITARY MIL S 5626 Rev. C 7/17/1968 CANCELLED
- ASTM A 322 Rev. 07

## Chemistry Information

	%C	%Mn	%P	%S	%Si	%Cr	%Ni	%Mo	%Cu	%Al
SPEC Ladle Min:	.38	.75			.15	.80		.15		
SPEC Ladle Max:	.43	1.00	.025	.025	.35	1.10	.25	.25	.35	
F1782 Ladle:	.42	.98	.010	.022	.33	.98	.12	.18	.24	.030
F1782 1:	.42	.99	.009	.022	.34	1.00	.11	.16	.23	.030

## Metallurgy Information

SPEC: Grain Size SIZE 5/FINER

GRAIN SIZE - 5/FINER

When shipping document is attached it becomes part of this certification.

We certify the above materials have been inspected and tested in accordance with the methods prescribed in the governing specifications and consistent with our Standard Commercial Terms and Conditions for Sale, Manufacture, and shipping, which are incorporated into and made part of this certification. The results of such inspections and tests conform with the applicable requirements including the purchase order, specification(s) and exception(s). This certificate or report shall not be reproduced except in full, without the written approval of the Timken Corporation.

Approved: \_\_\_\_\_

NOTARY PUBLIC

by

*Cheryl Haas*  
Cheryl Haas, Metallographer

THE TIMKEN CORPORATION

6000/8000

CRY STEEL 3

10/29/2008 09:52 FAX



# Steel Certificate of Test

1835 DUEBER AVE. S.W.  
CANTON, OHIO 44706

**TIMKEN**  
Where You Turn

ID #0213890-1

Page 2 of 2

Customer Order: PO-06136

Customer Part Number: 090013

Timken Order: 28717-C (1591931)

Heat Number(s):

F1782

10/29/2008

## Metallurgy Information (cont.)

SPEC: Decarb

Heat	Sample	Level	VOM
F1782	A	0.024	IN

SPEC: Jominy English

Location: 1 2 3 4 5 6 7 8 9 10 12 14 15 18 20 24 28 32 36 40  
SPEC Min: 50 44  
SPEC Max:

F1782 A11: 59 59 58 57 58 58 57 57 57 56 55 54 53 52 51 49 45 44 43 42

SPEC: Mag Std

Heat F1782 AMS 2304 FREQUENCY: 0.000 SEVERITY: 0.000

THIS TEST WAS PERFORMED AT SOLMET TECHNOLOGIES, INC

Heat F1782 Melt Source: USA  
Manufacturing: USA

Macroetch equal to or better than S2 R1 C2  
The Timken Company is ISO 9000 certified.  
Material has not been exposed to radioactivity.

THE TIMKEN CORPORATION

7 11 1170 00

6000/6000

FRY STEEL 3

08/07/2009 09:52 FAX



**L Lacelle**

---

**From:** Eryck Blais [eblais@magnastainless.com]  
**Sent:** July 31, 2009 10:05 AM  
**To:** 'L Lacelle'  
**Subject:** RE: rfq

HI LINDA

IT HAS SPEC AMS 6382  
2 PC X 12' \$550.00 EACH  
DELAY 7-10 DAYS  
THANK YOU  
ERYCK

---

**From:** L Lacelle [mailto:llacelle@dartaero.com]  
**Sent:** Friday, July 31, 2009 9:43 AM  
**To:** Eryck Blais  
**Subject:** RE: rfq

Oops sorry...  
AISI 4140n STEEL BAR  
PER MIL-S-5626, AMS6382, AMS6349, AMS6529

LL

---

**From:** Eryck Blais [mailto:eblais@magnastainless.com]  
**Sent:** July 31, 2009 9:33 AM  
**To:** 'L Lacelle'  
**Subject:** RE: rfq

GOOD MORNING LINDA

WHAT IS YOUR SPEC  
ERYCK

---

**From:** L Lacelle [mailto:llacelle@dartaero.com]  
**Sent:** Friday, July 31, 2009 8:47 AM  
**To:** Eryck Blais  
**Subject:** rfq

20' x 4140N bar 1.50 x 1.50

Thank You,  
Linda Lacelle  
Production Manager  
Dart Aerospace Ltd

7/31/09